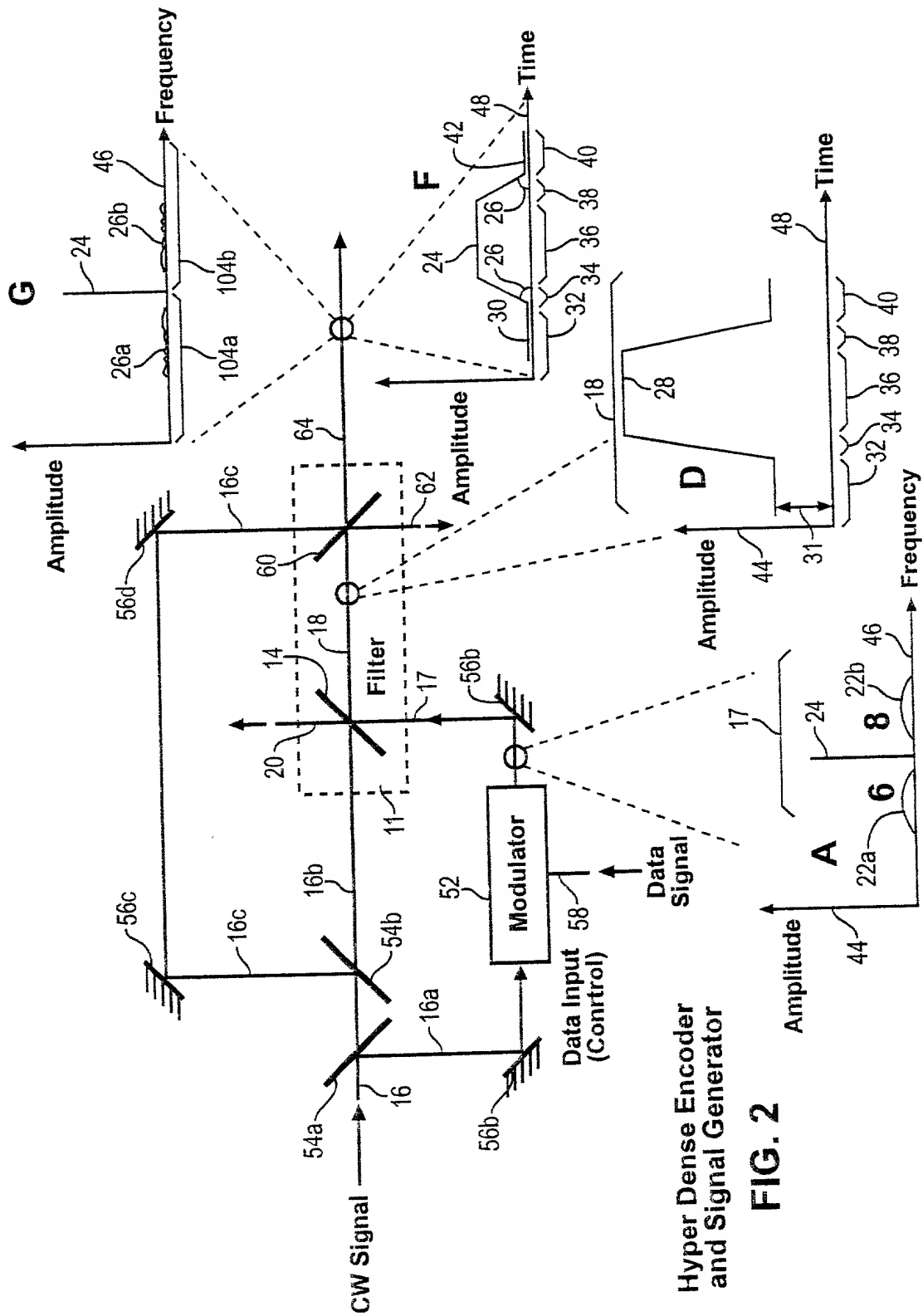


**FIG. 1**





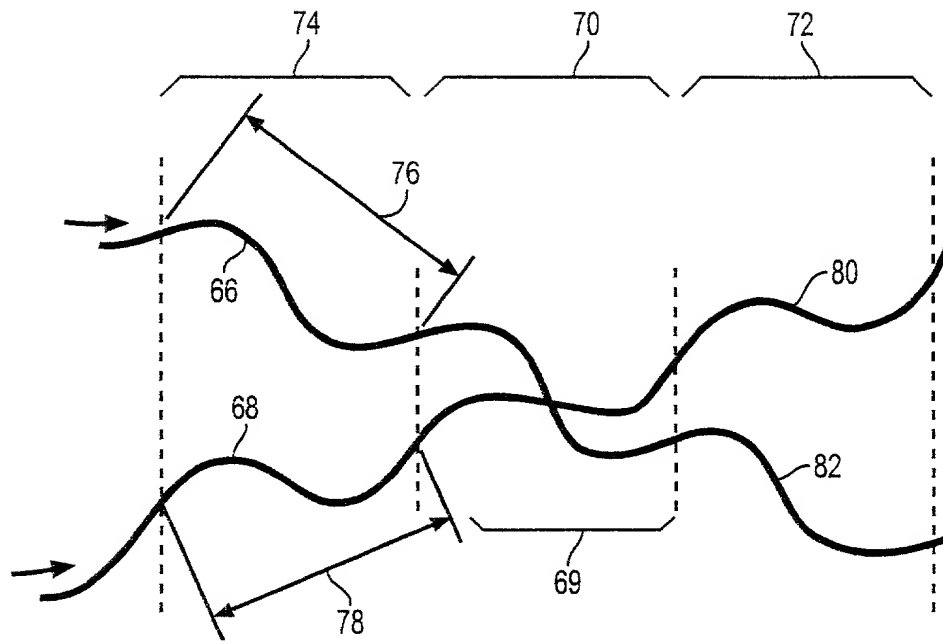


FIG. 4

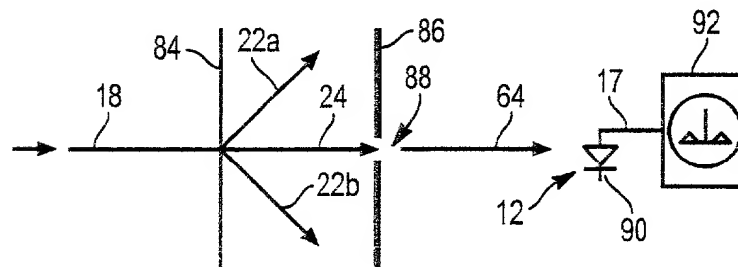


FIG. 5

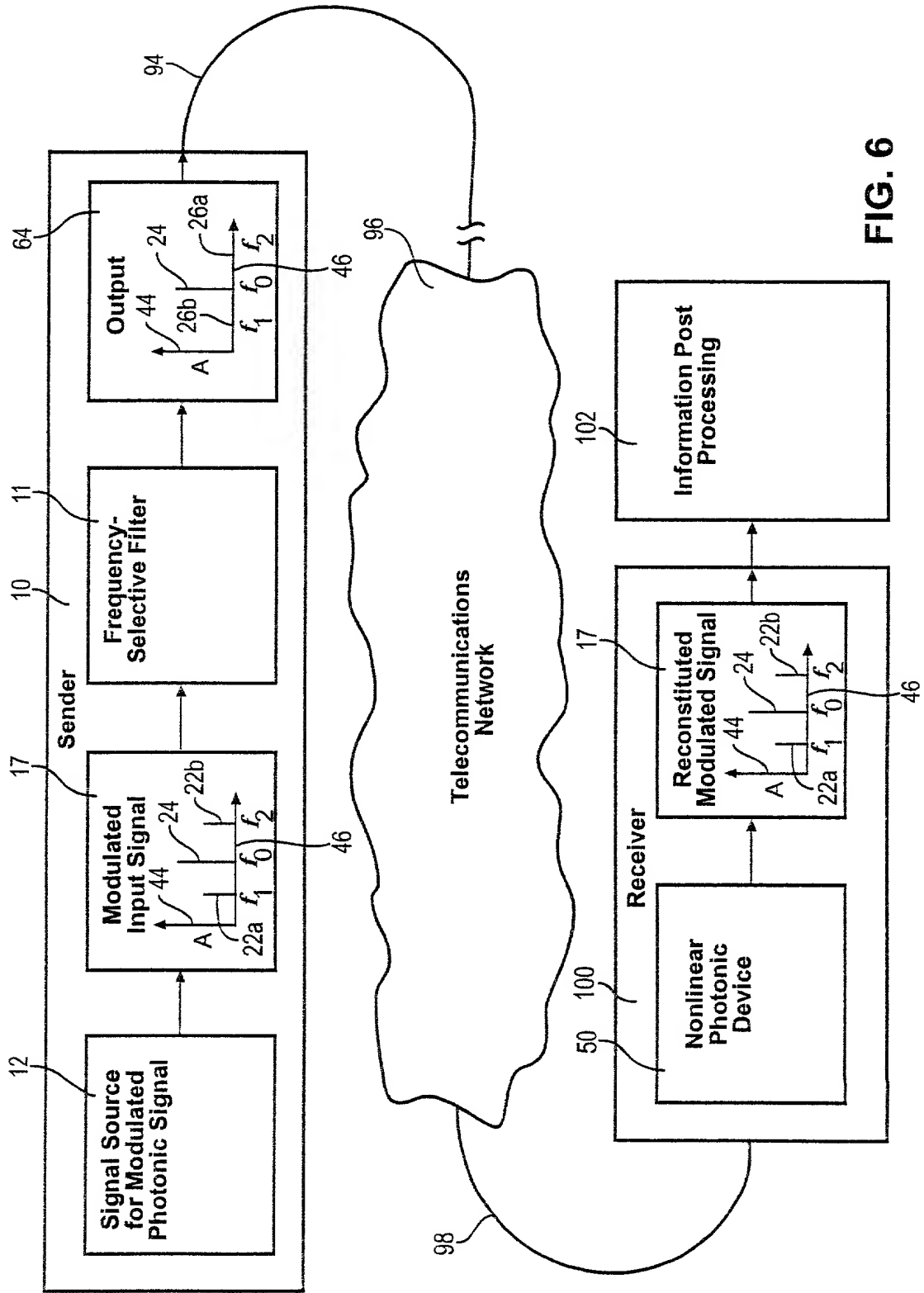
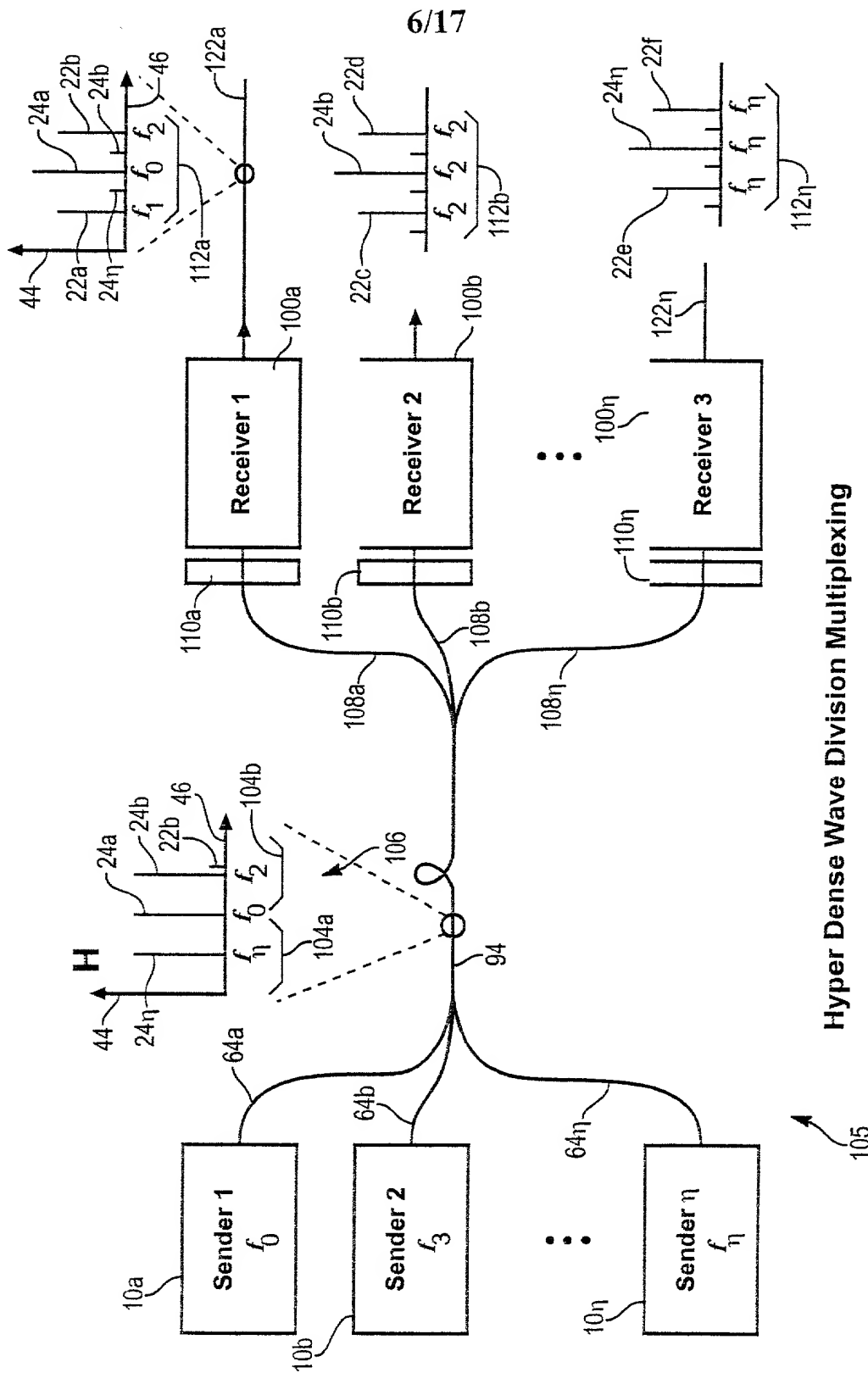


FIG. 6



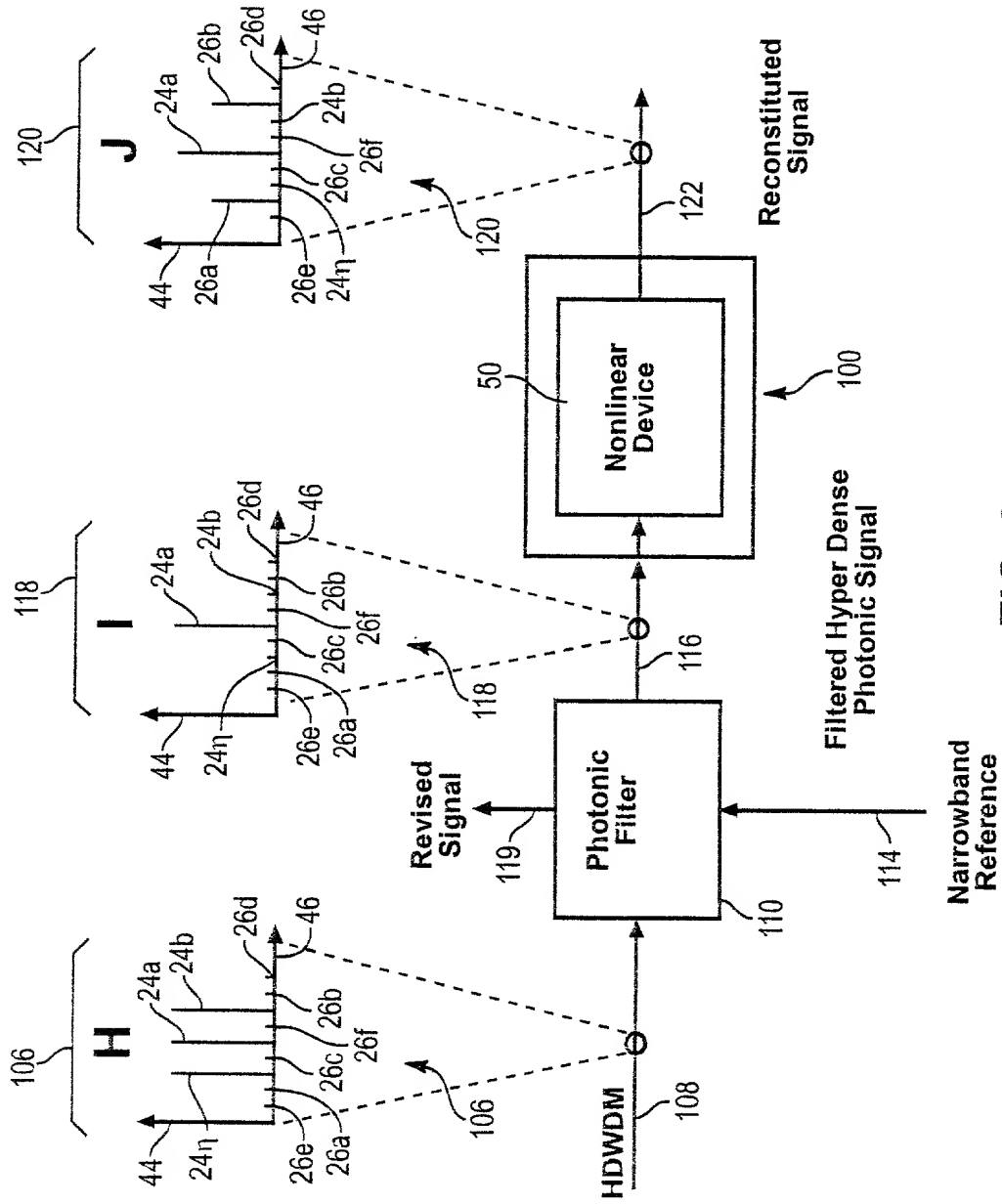


FIG. 8

# Hyper Dense Wave Division Demultiplexor (HDWDDM) Using Drop-Filter Band Selection

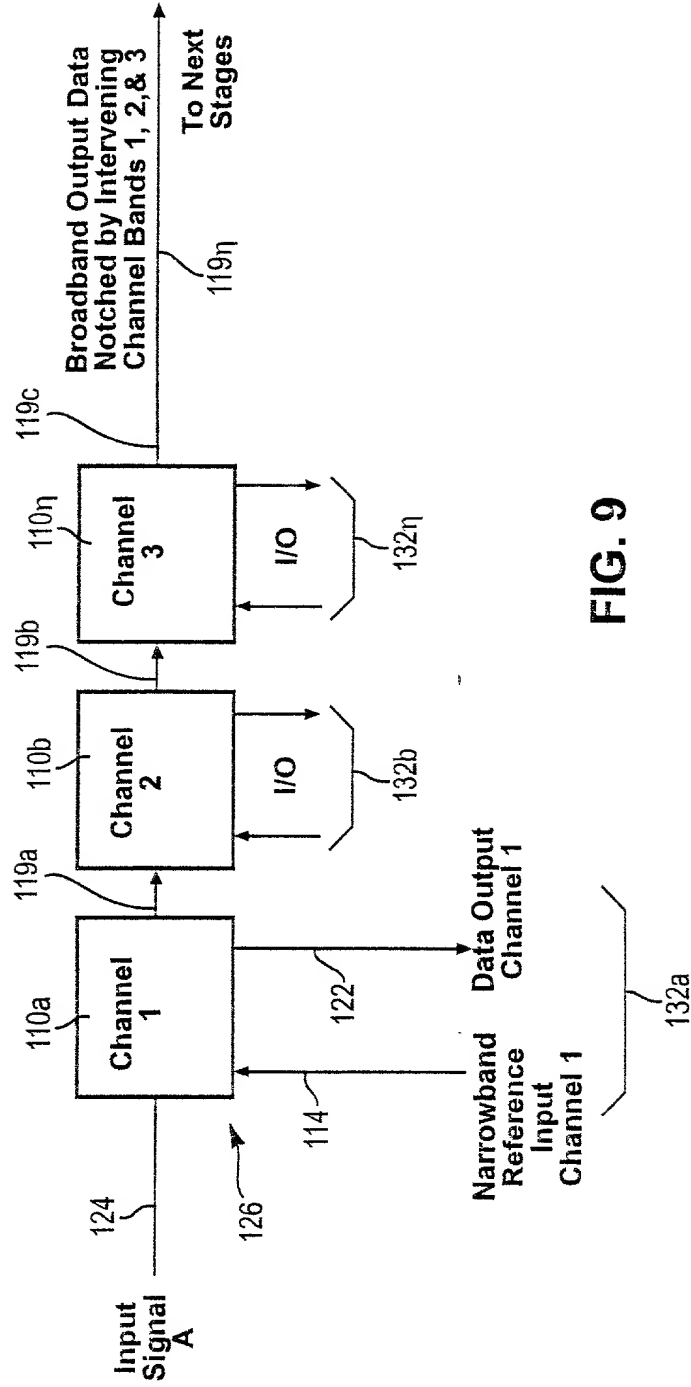


FIG. 9



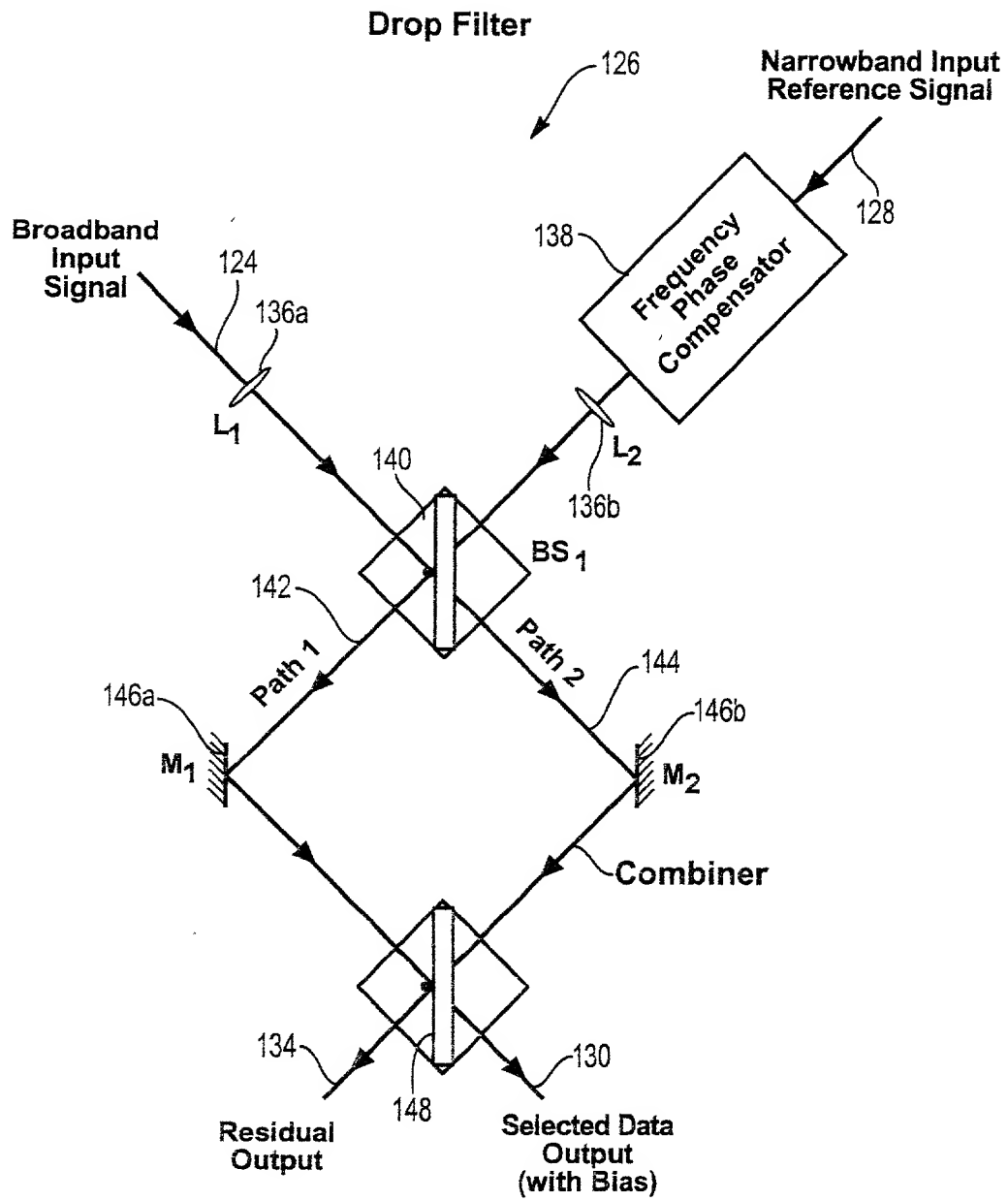


FIG. 10

# Super Hyper Wave Division Demultiplexor (HDWDDM) Using Drop Filter Band Selection

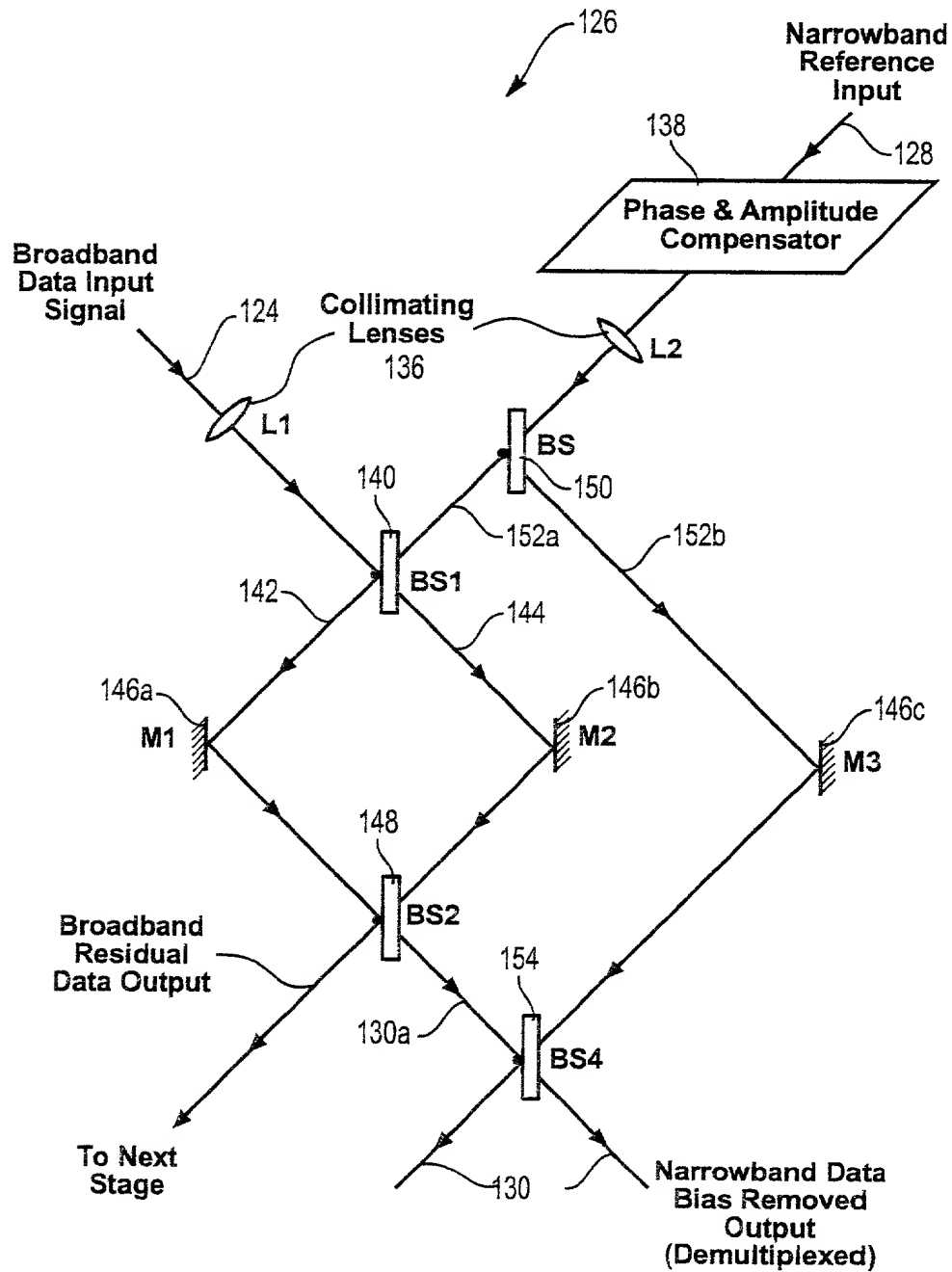
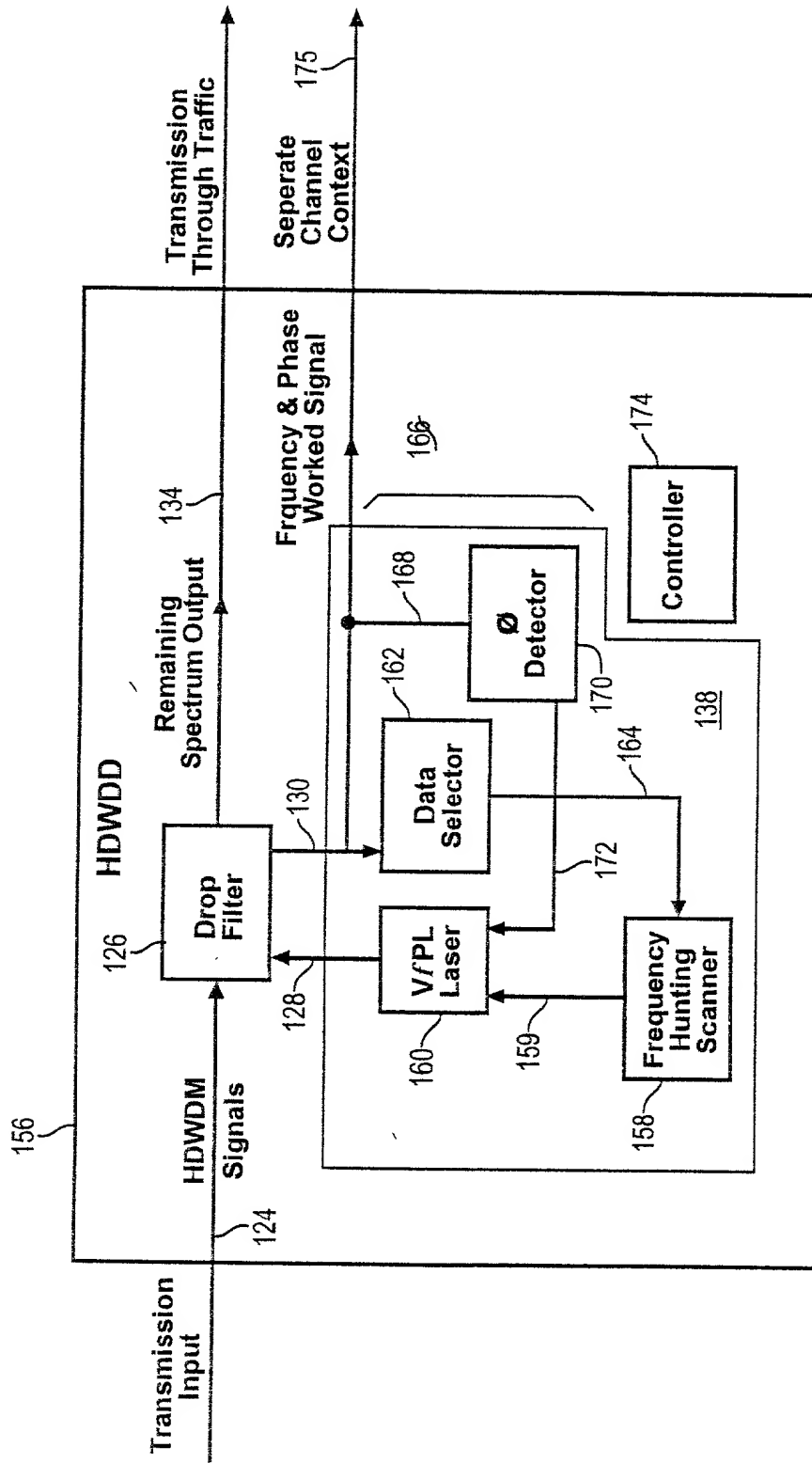


FIG. 11



Hyper Dense Channel Separator

FIG. 12

12/17

# Channel-Selection Process

176

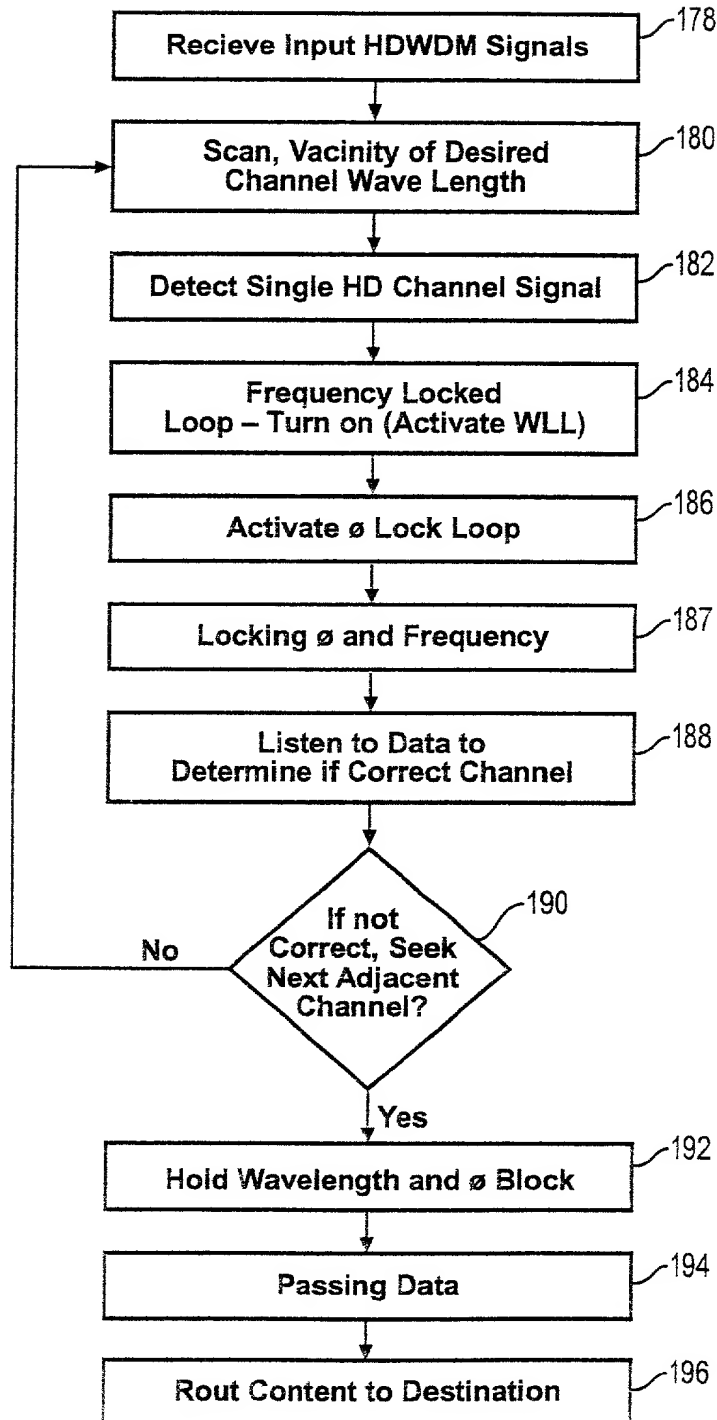
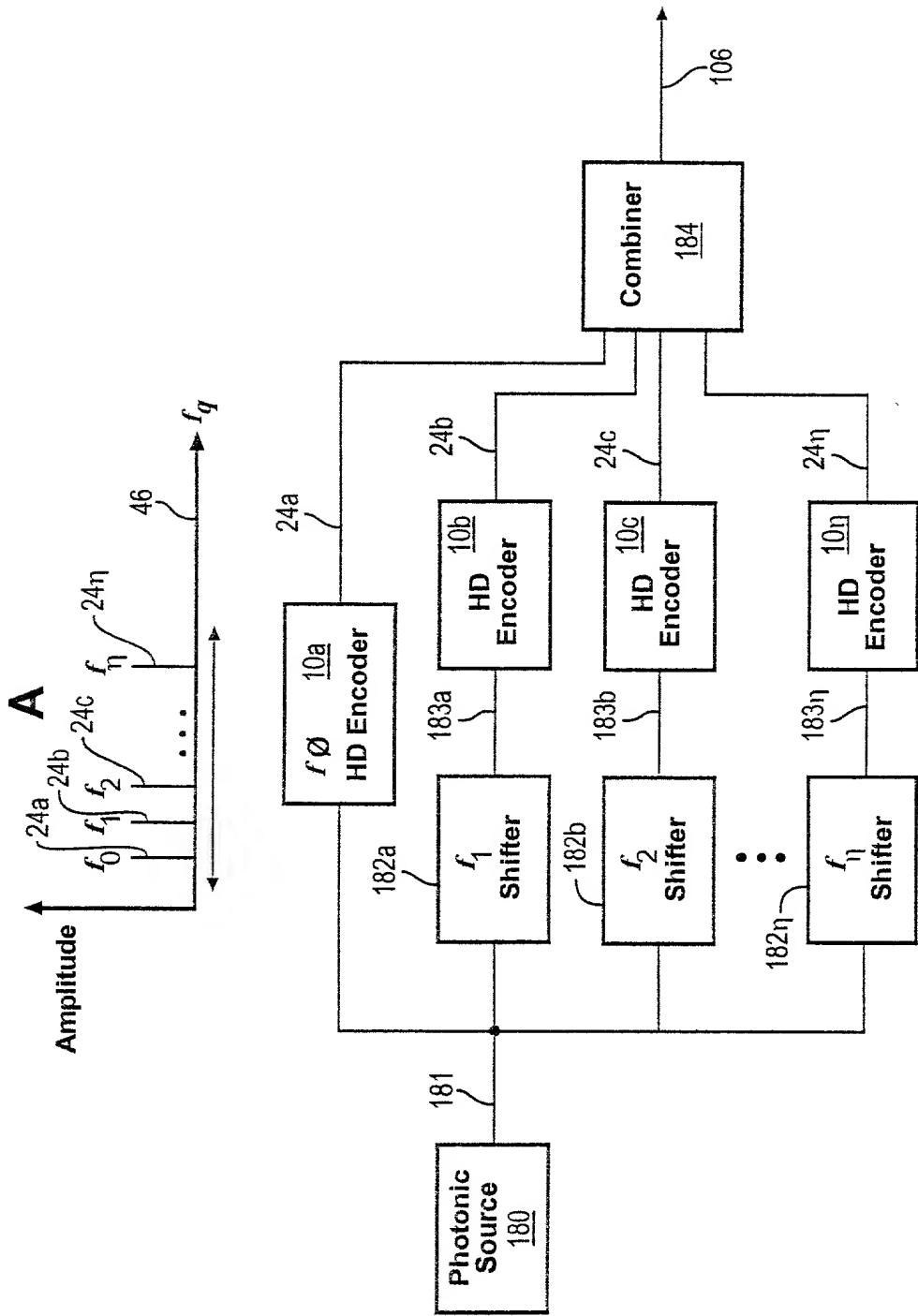
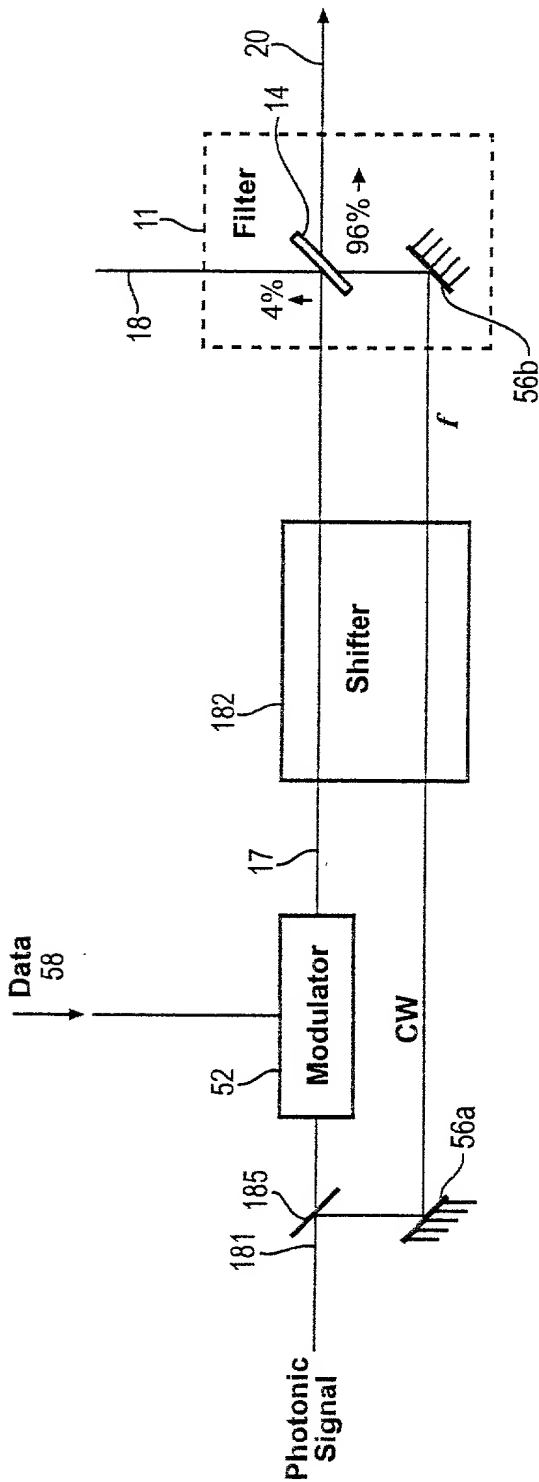


FIG. 13



HDWDM Multiplexer

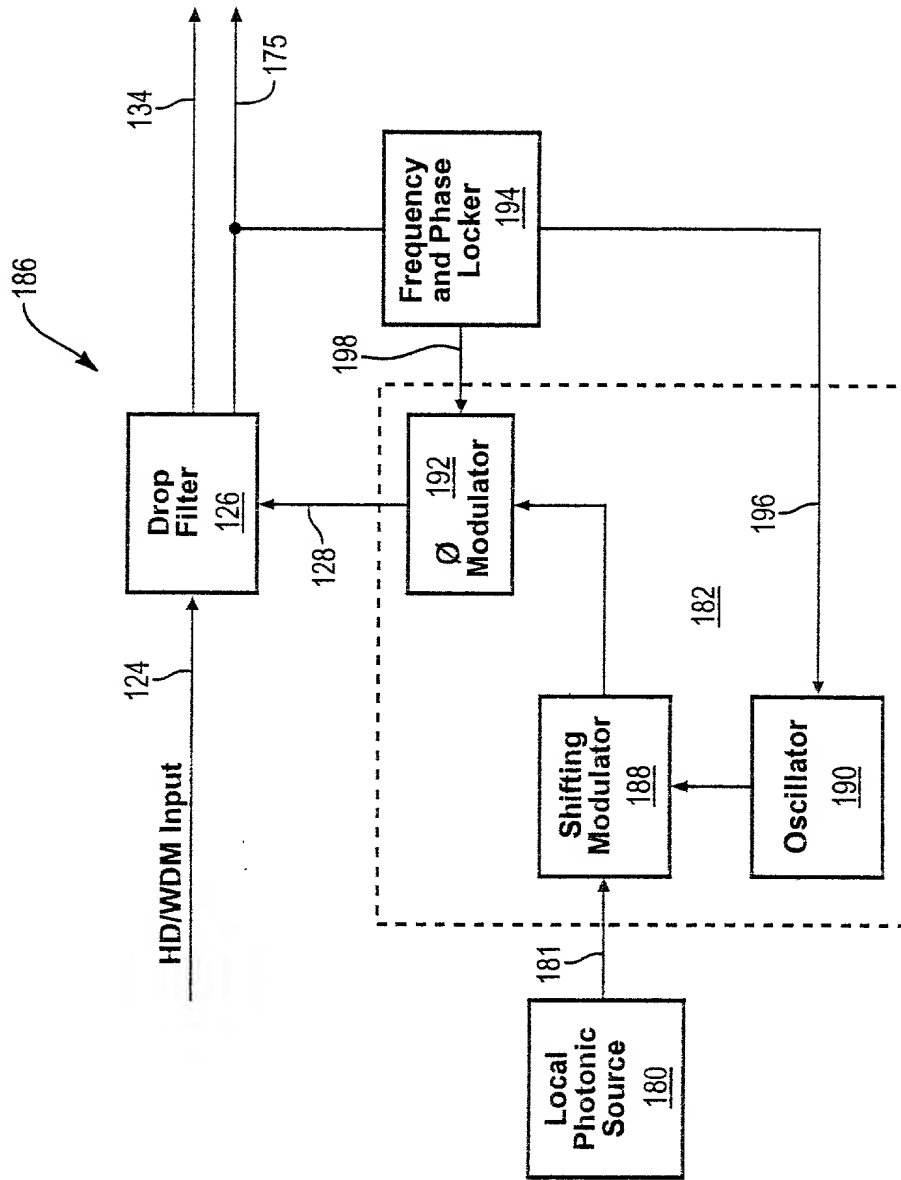
FIG. 14



Hyper Dense Frequency Shifted Signals

FIG. 15





Channel Separation Assembly

FIG. 17



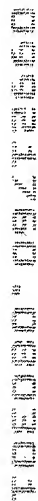


FIG. 18